

Title (en)
METHOD AND APPARATUS FOR PROVIDING GUARANTEED QUALITY/CLASS OF SERVICE WITHIN AND ACROSS NETWORKS USING EXISTING RESERVATION PROTOCOLS AND FRAME FORMATS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR ERZEUGUNG GARANTIRTER SERVICEQUALITÄT/SERVICEKLASSE IN UND ÜBER NETZWERKEN MIT BESTEHENDEN RESERVIERUNGSPROTOKOLLEN UND RAHMENFORMATEN

Title (fr)
PROCEDE ET APPAREIL DESTINE A FOURNIR UNE QUALITE/UNE CLASSE DE SERVICES (QOS/COS) GARANTIES A L'INTERIEUR DE RESEAUX ET ENTRE RESEAUX ET UTILISANT DES PROTOCOLES DE RESERVATION ET DES FORMATS DE TRAMES EXISTANTS

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Application
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Priority
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Abstract (en)
[origin: EP1921813A2] A method and apparatus provide reserved bandwidth and QOS/COS virtual circuit connections in a network using both conventional and novel reservation protocols and frame formats. An apparatus according to the invention includes an enterprise control point that communicates with switches via a reserved signaling channel. The switches have been upgraded or replaced to include enhanced functionality. The enhanced switches detect packets that include requests for reserved connections according to existing reservation protocols such as RSVP and IEEE 802.1P/Q. Such detected packets are forwarded to the enterprise control point for processing via a reserved signaling channel. The enterprise control point identifies a path within the network that can satisfy the requested QOS/COS and reserves the requested resources all along the path from beginning to end. A method according to the invention includes detecting packets that include requests for reserved connections according to existing reservation protocols such as RSVP and IEEE 802.1P/Q, forwarding detected packets to an enterprise control point for processing via a reserved signaling channel, identifying a path within the network that can satisfy the requested QOS/COS and reserving the requested resources all along the path from beginning to end.

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